

Work Order ID 51383

August 20, 2009 3:20:29 PM

Page 1

Item ID: D135-751-011

Accept

Setup Start

Revision ID: C

Stop

Item Name: Skidtube Installation

Start Date: 08/24/2009 Start Qty: 1.00

Required Date: 09/07/2009 Req'd Qty: 1.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: *mf*

Date: *09-08-20* Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

D3507

Rev C

0.00

100



DC

Document Control

DOCUMENT CONTROL

Memo

0.00

Photocopy bluefile & type labels per PPP D135-751-011

CHG001

8 orlocks

HJ for BG 09/09/29

110



Skidtubes

Skidtubes

Skidtubes

Memo

0.00

1-Determine square end of tube and deburr

2-Drill #30 pilot holes using DT8678. Do not open holes.

3- Deburr holes.

D 4 9/8/26

51383

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 51383

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Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120		0.00							
	BENDING MACHINE - SKIDTUBES					①			49/8/25
CNC Bend 1	Memo	0.00							
CNC Delta 100 Bender	Bend tube as per program on CNC Bender and Dwg D3507. Use 5/16" locator pin on buggy "A".								

Pro →

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D135-751-011 PAR #: _____ Fault Category: Prod-Sketches NCR: Yes No DQA: / Date: 05.10.05
 Resolution: Scrap Disposition: Scrap QA: N/C Closed: / Date: 05.10.05

NCR: <u>51383</u>		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
7/9/2	# 120	Qty x3 skid tube extrusions were under bent and had the wrong Radius R.C Process + Bend Development of poss. b/c machine mal/Buckling	<u>/</u>	Scrap Qty x3 skid tubes that do not correspond to Dwg. replace B/E <u>28622</u>	<u>/</u> 9-8-27	<u>/</u> 09/10/14	<u>/</u>	<u>/</u> 09/07/02

NOTE: Date & initial all entries

Work Order ID 51383

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Item ID: D135-751-011

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Start Date: 08/24/2009 Start Qty: 1.00

Required Date: 09/07/2009 Req'd Qty: 1.00

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start
Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Skidtubes	0.00							
Skidtubes	Memo	0.00							
Skidtubes	1-Cut Fwd end of the tube using DT8185								
	2-Cut Aft end at VC using DT8185								
	3-Deburr ends								
	4-Drill Aft & Fwd Cap holes using DT8678 & DT8901								
	5-Locate DT8870 & Drill Ground wire hole on top of Tube.								
	6-Locate DT8870 with 3/16cleco in Ground wire hole ,then Pilot Drill all X-Bolt holes using 3/16" drill. ****DO NOT OPEN AFT CAP HOLES*****								
	7-Drill pilot holes for wearplates using Dt8868,Use DT8892 FOR REAR WEARPLATE HOLES.								
	8-Open six rear wearplate holes using DT8892. , open holes 0297								
	9-Open holes section C-C to .375" and locate DT9431 using "T" pin & cleco								
	10- Drill holes section G-G (DT9431)								
	11-Open Aft & Fwd Cap holes using .208" drill.								
	12-Bore out aft end of tube as per Dwg D3507 & Detail "B".								
	13-Open ground wire hole .297" section E-E								

Section CC+GG
Holes must be
laid out manually
open to #30

9-8-27

W/O:		WORK ORDER CHANGES					
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Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date:

Run Start



QC: Date: SPC (Y/N): Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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14-Deburr holes.

140



QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

=> Ser/08/27



/

150



HandFinish

Hand Finishing

Chemical Conversion Coat per QSI005 4.1

0.00

Memo

0.00

DP 9-8-27

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Cust Item ID:

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Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

Q.M. 09-08-27 (P)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
170		0.00							
	Skidtubes								
Skidtubes	Memo	0.00							
Skidtubes	1-Open X-Bolt holes to .375"(2Places) & .500"(2Places) as per Dwg D3507. and Detail "F"								
	2-Counter Sink X-BOLT holes as per Dwg D3507								
	3-Deburr and blow out chips from inside of tube.								
	4-Bond web as per Dwg D3507 & QSI 015								
	A/R 241 Sike Flex Batch: <u>M112391</u>								
	Exp Date: <u>02/2010</u> 2010/02								
	5-Weld x-bolt (D3504-1/-3)spacers as per Dwg D3507 and Detail C-C & D-D.								
	A/R AL ROD Batch: <u>M111682</u>								
	6-Grind welds flush								
	7-Drill Rivet Holes as per Dwg D3507 Using Dt8871A&B								
	8-Deburr Rivet holes.								

WB 09-08-31

BE 09-09-02

3 BE 09/09/14

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.

2. The second step is to set goals. These should be specific, measurable, achievable, relevant, and time-bound.

3. The third step is to develop a plan. This involves determining the steps that need to be taken to achieve the goals.

4. The fourth step is to implement the plan. This involves putting the plan into action and monitoring progress.

5. The fifth step is to evaluate the results. This involves assessing whether the goals have been achieved and what lessons can be learned.

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1. Name of the company	2. Address of the company	3. City	4. State	5. Zip
6. Name of the person to whom the report is addressed	7. Address of the person to whom the report is addressed	8. City	9. State	10. Zip
11. Name of the person who prepared the report	12. Address of the person who prepared the report	13. City	14. State	15. Zip
16. Name of the person who reviewed the report	17. Address of the person who reviewed the report	18. City	19. State	20. Zip
21. Name of the person who approved the report	22. Address of the person who approved the report	23. City	24. State	25. Zip
26. Name of the person who signed the report	27. Address of the person who signed the report	28. City	29. State	30. Zip
31. Name of the person who submitted the report	32. Address of the person who submitted the report	33. City	34. State	35. Zip
36. Name of the person who received the report	37. Address of the person who received the report	38. City	39. State	40. Zip
41. Name of the person who filed the report	42. Address of the person who filed the report	43. City	44. State	45. Zip
46. Name of the person who distributed the report	47. Address of the person who distributed the report	48. City	49. State	50. Zip
51. Name of the person who stored the report	52. Address of the person who stored the report	53. City	54. State	55. Zip
56. Name of the person who retrieved the report	57. Address of the person who retrieved the report	58. City	59. State	60. Zip
61. Name of the person who destroyed the report	62. Address of the person who destroyed the report	63. City	64. State	65. Zip
66. Name of the person who transferred the report	67. Address of the person who transferred the report	68. City	69. State	70. Zip
71. Name of the person who loaned the report	72. Address of the person who loaned the report	73. City	74. State	75. Zip
76. Name of the person who returned the report	77. Address of the person who returned the report	78. City	79. State	80. Zip
81. Name of the person who disposed of the report	82. Address of the person who disposed of the report	83. City	84. State	85. Zip
86. Name of the person who purchased the report	87. Address of the person who purchased the report	88. City	89. State	90. Zip
91. Name of the person who sold the report	92. Address of the person who sold the report	93. City	94. State	95. Zip
96. Name of the person who donated the report	97. Address of the person who donated the report	98. City	99. State	100. Zip

[illegible][illegible][illegible]

Abstract

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

**Insp.
Stamp**

⇒ Solublen

FL

f

0.00

1-Rivet D3506-1/-3 as per Dwg D3507.

1 ~~0~~ BE 09/09/14

2) 809/02/14

④



Quality Control

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

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Accept

Revision ID: C

Item Name: Skidtube Installation

Start Date: 08/24/2009 Start Qty: 1.00

Required Date: 09/07/2009 Req'd Qty: 1.00

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

210

Pressure Wash per QSI005 4.3

0.00



HandFinish

Memo

0.00

Hand Finishing

220

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

0.00



Powdercoat

Powder Coating

Memo

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

1:50
320°F
2:20

0.00

230

QC3- Inspect Part Finish

0.00



QC

Quality Control

Memo

0.00

M-k 08/04/21 (12)

M 112260
M-k 08/04/21 (12)

BL 0804-22 (1)

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

[illegible]

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[illegible][illegible][illegible][illegible]

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives and goals of the project. This helps to clarify what needs to be achieved and provides a clear direction for the team.

3. The third step is to develop a plan or strategy to address the problem. This involves breaking down the problem into smaller, manageable tasks and determining the resources needed to complete each task.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress to ensure that the project is on track.

5. The final step is to evaluate the results of the project. This involves assessing the outcomes against the objectives and goals and identifying any areas for improvement.

Customer:

[illegible]

[REDACTED]

[REDACTED]

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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0.00

[illegible]

HandFinishing

0.00

HandFinish

Memo

Hand Finishing

Install Wearplate & Ground Wire inserts as per Dwg D3507.

BR 09-09-23 ①

250

0.00

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

QC5- Inspect part completeness to step on W/O

0.00

QC

Memo

Quality Control

Inspect Inserts

2) 809/09/23

70

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Setup Start



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Start Date: 08/24/2009 Start Qty: 1.00



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Run Start



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QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
260	HandFinishing	0.00							
	HandFinish								
Hand Finishing	Memo	0.00							
	1-Inspect for Foreign objects								
	2-Install Fwd & Aft caps as per Dwg D3507 And Detail "A" & "B"								
	A/R 241 Sika Flex Batch: <u>M/12391</u>								
	Exp Date: <u>10/20</u>								
	3-Install Wearplates as per Dwg D3507 ,								
	Note:Install (1) Bolt and (1) washer on Ground Wire insert on top of tube								
	Do not Install Scews where indicated on Dwg(Note #6)								
	A/R 241 Sika Flex Batch: <u>M/12391</u>								
	Exp Date: <u>10/20</u>								
	4-Install Plug assemblys as per Dwg D3507.								
	5- Wing Walk as per Dwg D3507 and QSI 005 4.4								
270	QC5- Inspect part completeness to step on W/O	0.00							
	QC								
Quality Control	Memo	0.00							

BF 09-09-23

①

27 S 09/01/23

④

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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Item ID: D135-751-011

Accept



Setup Start



Revision ID: C

Stop



Item Name: Skidtube Installation

Start Date: 08/24/2009 Start Qty: 1.00



Cust Item ID:

Required Date: 09/07/2009 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
280 Packaging	Pick Kit	0.00							
Packaging	Memo	0.00				9/8/25		(K) 20	
290 QC	QC4- 100% Inspect kits for completeness	0.00							
Quality Control	Memo	0.00				(K) 20			
300 Packaging	Packaging	0.00							
Packaging	Memo	0.00				9/9/28		(K) 20	
	Identify and pack for shipping as per PPP D135-751-011								
	Location: <u>8A</u>								
	PPP Rev: <u>B</u>								

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 51383

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Item ID: D135-751-011

Accept



Setup Start



Revision ID: C

Stop



Item Name: Skidtube Installation

Start Date: 08/24/2009 Start Qty: 1.00



Cust Item ID:

Required Date: 09/07/2009 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

310

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

09/09/30

u 22-09-30

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Page 1

Work Order ID: 51383

Parent Item: D135-751-011RevC

Parent Item Name: Skidtube Installation

Start Date: 08/24/2009

Required Date: 09/07/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

D2962-150RevA

Manufactured

No

110

Each

43.0000

1.0000



3.540 Outer Tube, Extrud

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

43

28672

43

D3504-1RevC

Manufactured

No

170

Each

19.0000

2.0000



Crossbolt Spacer

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

19

31234

19

D3504-3RevC

Manufactured

No

170

Each

18.0000

1.0000



Crossbolt Spacer

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

18

31232

18

①

9/8/26

2

BE 09-09-02

~~18~~

1

BE 09-09-02

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51383

Parent Item: D135-751-011RevC

Parent Item Name: Skidtube Installation



Comments:

Start Date: 08/24/2009

Required Date: 09/07/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3504-5RevC		Manufactured	No			170	Each	14.0000	2.0000			
												
Crossbolt Spacer												

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

14

36181

14

D3505-1RevA

Manufactured

No

170

Each

0.0000

1.0000



Web

D3506-3RevA

Manufactured

No

170

Each

16.0000

2.0000



Doubler

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

LG

16

50563

16

2 BE 9-9-2
B-51708 MD 09-08-31

2 BE 9-9-2

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Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51383

Parent Item: D135-751-011RevC

Parent Item Name: Skidtube Installation

Comments:

Start Date: 08/24/2009

Required Date: 09/07/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
ALS7-1032-130		Purchased	No			240	Each	3,628.000	38.0000			
Insert												

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

3628

105855

16

108606

52

111529

1560

111779

2000

MS20601-AD4W3

Purchased

No

240

Each

282.0000

12.0000

Rivet

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

282

107823

3

111359

279

X38 MD 09/09/02

4
8 BE 9/9/2
BE 9/9/14

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Page 3

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51383



Parent Item: D135-751-011RevC



Parent Item Name: Skidtube Installation



Start Date: 08/24/2009

Required Date: 09/07/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
ALS4-1032-225		Purchased	No			260	Each	8,834.000	1.0000			
												
Insert												

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 8834

107441 16

110768 8818

AN3C4A

Purchased

No

260

Each

842.0000

31.0000



BOLT



X1 MD 09/09/22

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 842

112082 40

112314 802

AN3C5A

Purchased

No

260

Each

550.0000

2.0000



Bolt



X12 MD 09/09/22
X19 MD 09/09/22

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 550

111424 8

111707 342

112314 200

X2 MD 09/09/22

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51383



Parent Item: D135-751-011RevC



Parent Item Name: Skidtube Installation

Start Date: 08/24/2009

Required Date: 09/07/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN526C1032R10		Purchased	No			260	Each	594.0000	2.0000			

Screw

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

594

108062

135

108167

35

110049

424

X2 MD 09/09/22

AN960C10L

Purchased

No

260

Each

3,352.000

33.0000



washer

Warehouse Loc Qty Loc Code
Location

OFFSHORE

FG

100

103585

100

Main Warehouse

ST

3252

112116

3252

X33 MD 09/09/22

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51383



Parent Item: D135-751-011RevC



Parent Item Name: Skidtube Installation

Start Date: 08/24/2009

Required Date: 09/07/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2965-3ReyB		Manufactured	No			260	Each	6.0000	1.0000			
Cap												

Warehouse Loc Qty Loc Code

Location

Main Warehouse

46582 ✓

X1

MD 09/09/22

ST

6

50560

6

D2965RevB

Manufactured

No

260

Each

17.0000

1.0000



Cap, 105 Skidtube

Warehouse Loc Qty Loc Code

Location

Main Warehouse

FP4

7

50609

2

50924

5

X1

MD 09/09/22

Main Warehouse

ST

10

43288

6

46800

5

50924

-1

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51383

Parent Item: D135-751-011RevC

Parent Item Name: Skidtube Installation

Comments:

Start Date: 08/24/2009

Required Date: 09/07/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3492-041RevC		Manufactured	No			260	Each	3.0000	4.0000			
Plug Assembly												

Warehouse Loc Qty Loc Code
Location

Main Warehouse 51587
ST 3
43816 3

x4 MD 09/09/22

D3492-043RevC		Manufactured	No			260	Each	0.0000	4.0000			
Plug Assembly												

51642

x4 MD 09/09/22

D3492-047RevC		Manufactured	No			260	Each	56.0000	2.0000			
Plug Assembly												

Warehouse Loc Qty Loc Code
Location

Main Warehouse
ST 56
27776 1
28961 39
39722 16

x2 MD 09/09/22

D3508-1RevC		Manufactured	No			260	Each	0.0000	1.0000			
Wearplate												

51261

x1 MD 09/09/22

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51383



Parent Item: D135-751-011RevC



Parent Item Name: Skidtube Installation

Start Date: 08/24/2009

Required Date: 09/07/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3508-3RevC		Manufactured	No			260	Each	1.0000	1.0000			
Wearplate												

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse	51386	
ST	1	
46881	1	

X1 mo 09/09/22

D3508-5RevC		Manufactured	No			260	Each	0.0000	1.0000			
Wearplate												

51388

X1 mp 09/09/22

D3508-7RevC		Manufactured	No			260	Each	3.0000	1.0000			
Wearplate												

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse	51389	
ST	3	
44518	3	

X1 mo 09/09/22

D3558-1RevB		Manufactured	No			260	Each	23.0000	1.0000			
Gasket												

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST	23	
50925	23	

X1 mo 09/09/22

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51383



Parent Item: D135-751-011RevC



Parent Item Name: Skidtube Installation

Start Date: 08/24/2009

Required Date: 09/07/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3558-3RevB		Manufactured	No			260	Each	6.0000	1.0000			
Gasket												

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

6

45661

6

D3558-5RevB

Manufactured

No

260

Each

14.0000

1.0000



Gasket

X1

MD 09/09/21

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

14

50926

14

D3558-7RevB

Manufactured

No

260

Each

21.0000

1.0000



Gasket

X1

MD 09/09/21

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

21

36388

2

43245

5

50927

14

X1

MD 09/09/21

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W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51383



Parent Item: D135-751-011RevC



Parent Item Name: Skidtube Installation

Start Date: 08/24/2009

Required Date: 09/07/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
NAS1611-007		Purchased	No			260	Each	447.0000	1.0000			
O-RING												

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

447

103697

447

NAS1611-010

Purchased

No

260

Each

345.0000

1.0000



O-RING

X2 MD 09/09/22

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

345

110715

50

110915

295

NAS1611-013

Purchased

No

260

Each

320.0000

1.0000



O-RING

X4 MD 09/09/22

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

320

106513

11

111424

109

111758

200

X4 MD 09/09/22

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51383



Parent Item: D135-751-011RevC



Parent Item Name: Skidtube Installation

Start Date: 08/24/2009

Required Date: 09/07/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN3C4A		Purchased	No			280	Each	842.0000	8.0000			
--------	--	-----------	----	--	--	-----	------	----------	--------	--	--	--



BOLT

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST 842

112082 40

112314 802

AN960C10L		Purchased	No			280	Each	3,352.000	8.0000			
-----------	--	-----------	----	--	--	-----	------	-----------	--------	--	--	--



washer

Warehouse Loc Qty Loc Code

Location

OFFSHORE

FG 100

103585 100

Main Warehouse

ST 3252

112116 3252

112720 SP

9/9/05

_____ 14

112116 SP

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 51383

Parent Item: D135-751-011RevC

Parent Item Name: Skidtube Installation

Comments:

Start Date: 08/24/2009

Required Date: 09/07/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

D3506-1RevA

Manufactured

No

280

Each

7.0000

4.0000



Doubler

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

FG

3

46538

3

Main Warehouse

ST

4

50562

4

D3512-1RevC

Manufactured

No

280

Each

3.0000

2.0000



Wearplate

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST500

3

51133

3

B51789' (4) 8E 09/09/04

~~10/28/04~~ ? w

9/12/05 D SD

51133

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

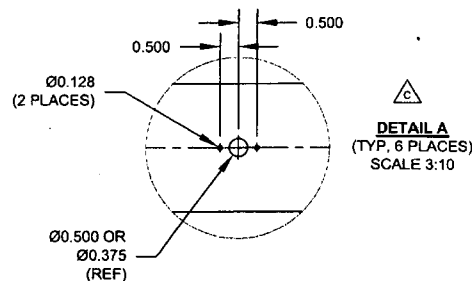
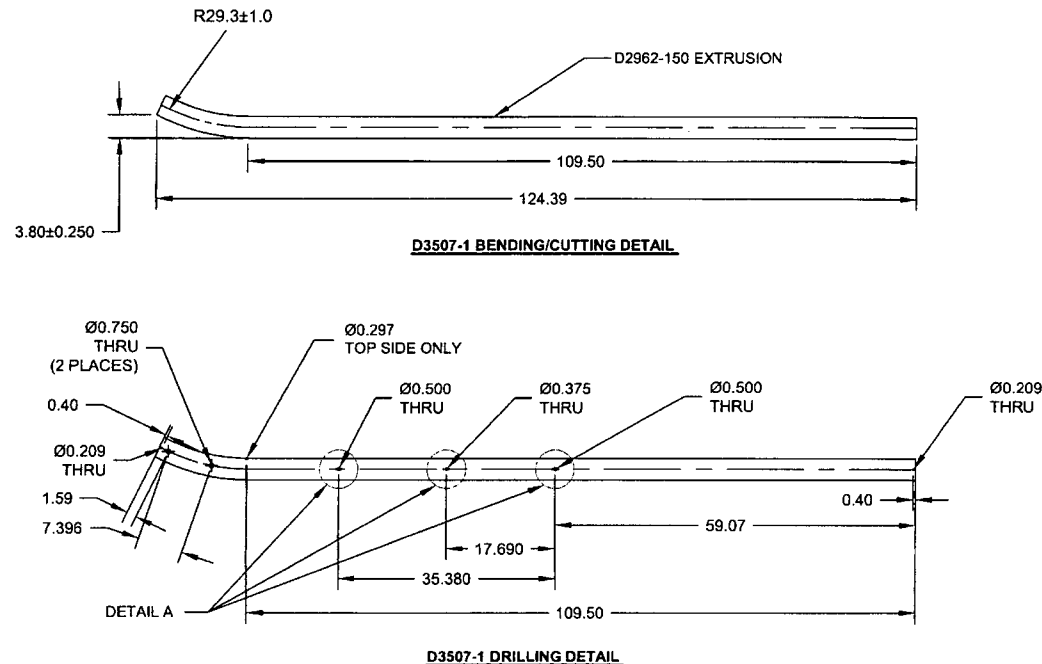
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09-08-20

Qty	Part Number	Description
X	D3507-041	SKIDTUBE ASSEMBLY
1	D2962-150	EXTRUSION
1	D2965	CAP
1	D2965-3	CAP
4	D3492-041	PLUG ASSEMBLY
4	D3492-043	PLUG ASSEMBLY
2	D3492-047	PLUG ASSEMBLY
2	D3504-1	CROSS BOLT SPACER
1	D3504-3	CROSS BOLT SPACER
2	D3504-5	CROSS BOLT SPACER
1	D3505-1	WEB
4	D3506-1	DOUBLER
2	D3506-3	DOUBLER
1	D3508-1	WEARPLATE
1	D3508-3	WEARPLATE
1	D3508-5	WEARPLATE
1	D3508-7	WEARPLATE
1	D3558-1	GASKET
1	D3558-3	GASKET
1	D3558-5	GASKET
1	D3558-7	GASKET
38	AELS-1032-130	INSERT
1	AELS-1032-225	INSERT
31	AN3C4A	BOLT
2	AN3C5A	BOLT
2	AN526C1032-10	SCREW
33	AN960C10L	WASHER
12	MS20601AD4W3	RIVET

GENERAL NOTES:

- 1) FINISH:
CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 PRIOR TO INSERTING D3505-1 WEB. POWDER COAT ASSEMBLY GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3. ANTI-SKID PAINT AS INDICATED TO 1.00 ABOVE CENTER LINE PER DART QSI 005 4.4.
- 2) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) DIMENSIONS: INCHES UNLESS OTHERWISE NOTED
- 4) WELDING TO BE DONE PER DART QSI 004
- 5) INSERT D3505-1 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241/-291 ADHESIVE PER DART QSI 015 AFTER BENDING
- 6) USE DART DRILL TEMPLATE DT8888 TO LOCATE AND DRILL Ø0.297 HOLES (38 PLACES) FOR WEARSHOE INSERTS. INSTALL AELS-1032-130 PER SECTION C-C (38 PLACES) AFTER FINISH. SEAL WEARPLATE BOLTS WITH SIKAFLEX-241/-291.
- 7) DO NOT INSTALL AN3C4A BOLTS AND AN960C10L WASHERS IN INDICATED LOCATIONS

C	ADD D3504-5, FOR SKID GEAR DEFLECTOR; CHANGE FWD CAP BOLT TO AN526C1032-10 SCREW	DC	07.09.19
B	ADD GASKET, CHANGE HARDWARE MATL	PH	06.11.01
A	NEW ISSUE	PH	06.04.21
REV.	DESCRIPTION	BY	DATE
DESIGN	PH	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	JTC		
CHECKED	PH	DRAWING NO. D3507	REV. C SHEET 1 OF 2
MFG. APPR.	PH	TITLE EC 135 SKIDTUBE	SCALE NTS
APPROVED	PH	COPYRIGHT © 2006 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	
DE APPR.	PH		
DATE	07.09.19		



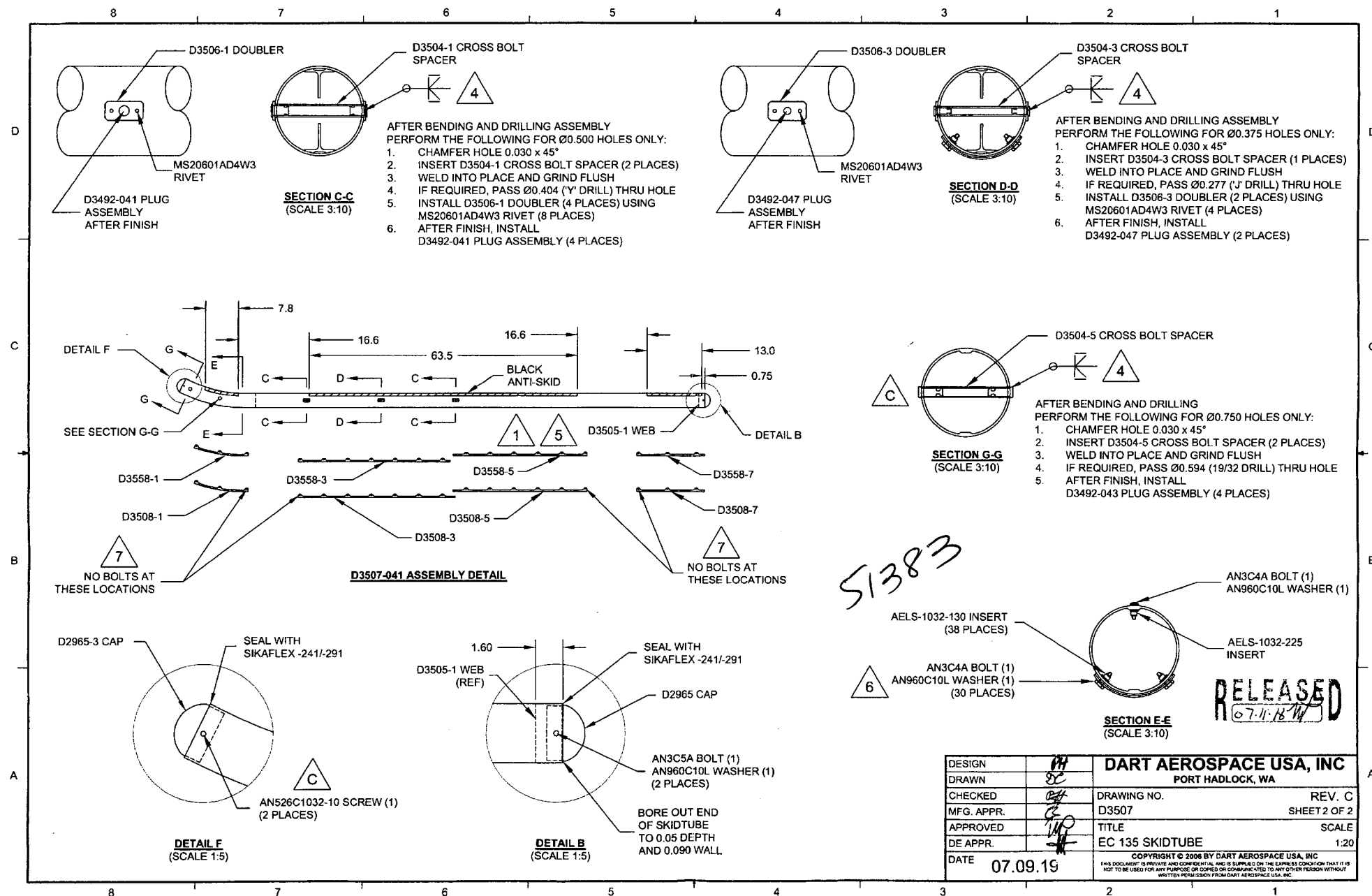
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

NO. 204

AWS D17.1.2001
QUALIFICATION TEST RECORD

Name: Barclay Elliott
Job number: 505370
Part number: D135 751 011
Description: Skid tube
Welding Process: Tig ☒ Mig ☐
Base material: Aluminum
Current: AC ☒ DC ☐

TEST REQUIREMENTS AND RESULTS

Visual:
Penetration:

pass ☒ fail ☐
pass ☒ fail ☐

UNACCEPTABLE

Cracks:
Undercut:
Pin holes:
Overlap (cold lap)
Porosity (surface):
Coloration:

pass ☒ fail ☐
pass ☒ fail ☐
pass ☒ fail ☐
pass ☒ fail ☐
pass ☒ fail ☐
pass ☐ fail ☐

Qualifier J. D. D.

Date of Test Coupon 09-07-16

Welder Barclay Elliott

Date of Test Coupon 09/07/16

The above named individual is qualified in accordance with AWS D17.1.2001 to weld